

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015526.D
 Acq On : 06 Apr 2020 20:20
 Operator : JC/SP
 Sample : L2097-16DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 40851DL

Quant Time: Apr 07 05:07:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1148647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1829467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1810890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	993880	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	766131	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	5.47	113	586370	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	8.70	98	2245993	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.12	95	989888	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	

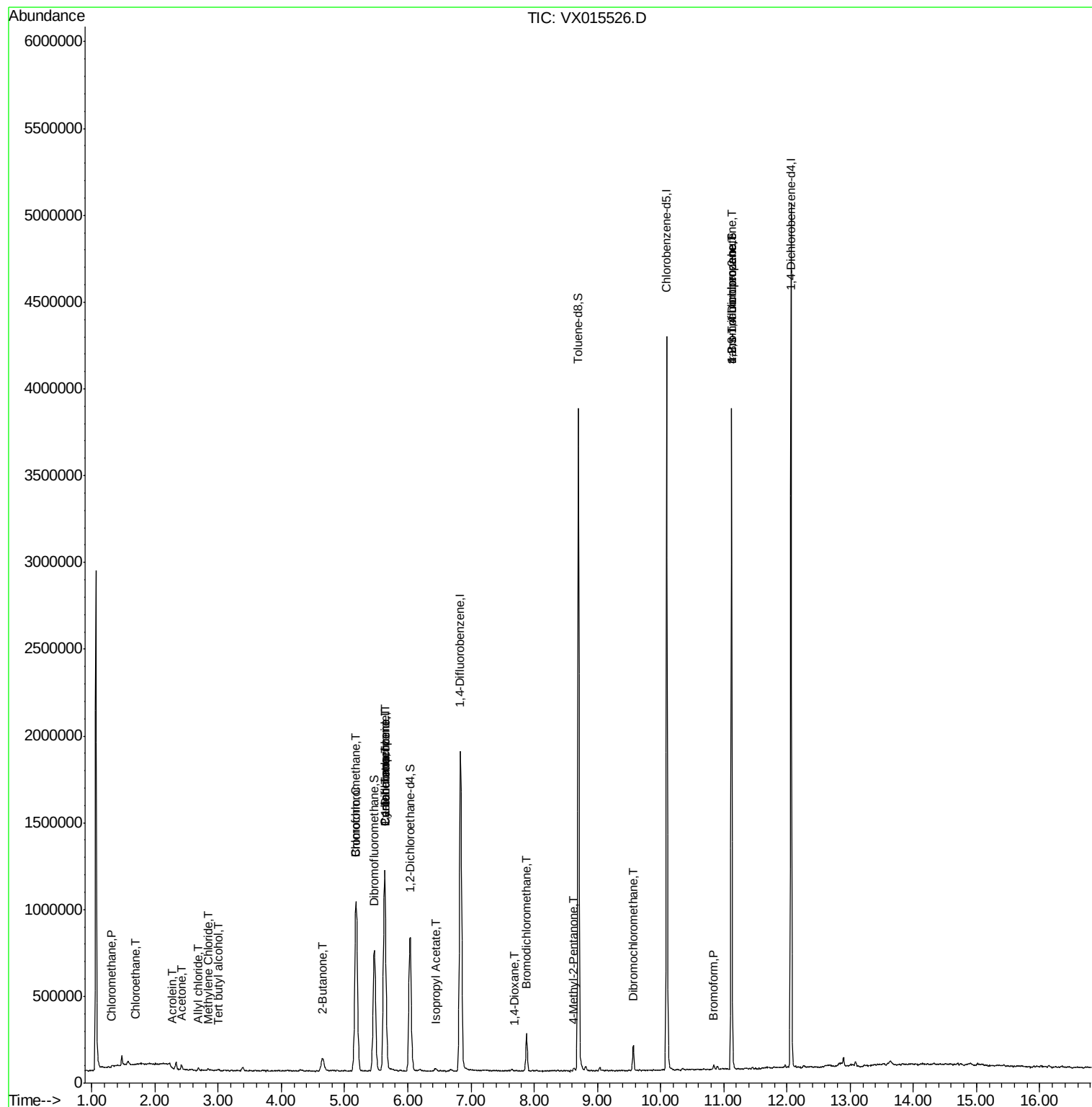
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2937	0.228	ug/l #	82
5) Bromomethane	1.61	94	394	Below Cal	#	3
6) Chloroethane	1.69	64	2482	0.338	ug/l #	43
11) Tert butyl alcohol	3.01	59	7018	1.810	ug/l #	90
13) Acrolein	2.27	56	526	0.238	ug/l #	62
14) Allyl chloride	2.69	41	14935	0.589	ug/l #	43
16) Acetone	2.42	43	31837	4.574	ug/l	94
20) Methylene Chloride	2.84	84	5615	0.432	ug/l #	82
25) 2-Butanone	4.65	43	10657	0.952	ug/l #	76
28) Bromochloromethane	5.18	49	105895	9.382	ug/l #	17
30) Chloroform	5.18	83	1148254	50.485	ug/l	97
31) Cyclohexane	5.63	56	25294	1.233	ug/l #	6
36) 1,1-Dichloropropene	5.64	75	86171	5.112	ug/l #	52
38) Carbon Tetrachloride	5.63	117	109989	6.024	ug/l #	14
43) Isopropyl Acetate	6.44	43	8249	0.223	ug/l #	75
47) Bromodichloromethane	7.88	83	135495	7.176	ug/l	99
49) 1,4-Dioxane	7.68	88	132	0.382	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	6723	0.320	ug/l	88
60) Dibromochloromethane	9.57	129	56519	3.771	ug/l	100
71) Bromoform	10.84	173	9753	0.743	ug/l #	89
76) 1,2,3-Trichloropropane	11.12	75	508879	24.898	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	508879	59.742	ug/l #	10

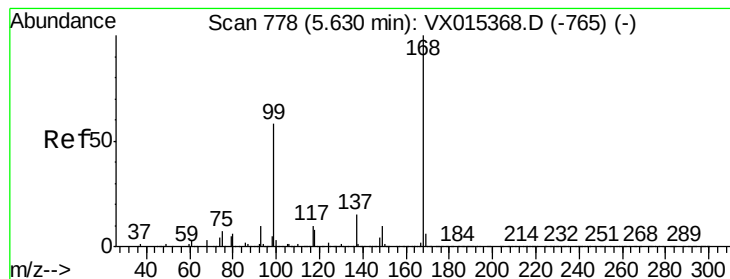
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040620\
Data File : VX015526.D
Acq On : 06 Apr 2020 20:20
Operator : JC/SP
Sample : L2097-16DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
40851DL

Quant Time: Apr 07 05:07:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

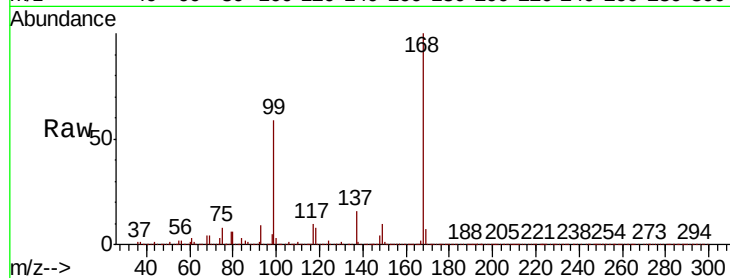
40851DL

Tot Ion:168 Resp: 1148647

Ion Ratio Lower Upper

168 100

99 58.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

200000

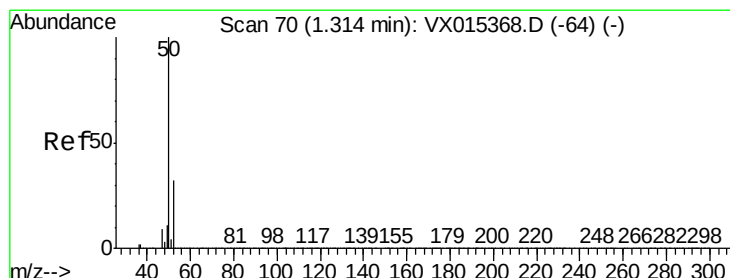
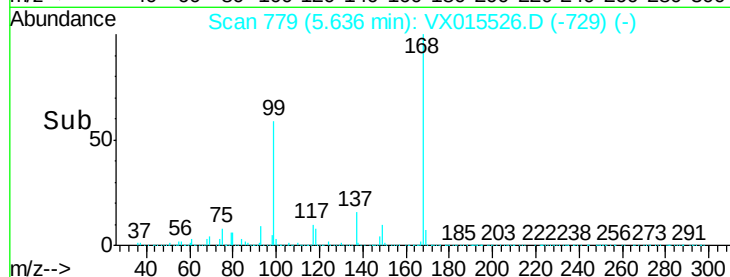
100000

0

5.60

5.80

Time-->



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015526.D

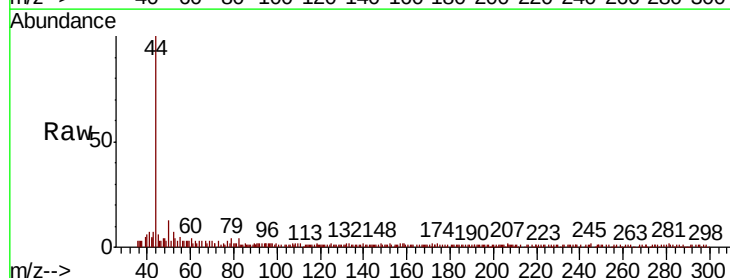
Acq: 06 Apr 2020 20:20

Tgt Ion: 50 Resp: 2937

Ion Ratio Lower Upper

50 100

52 41.6 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

2500

2000

1500

1000

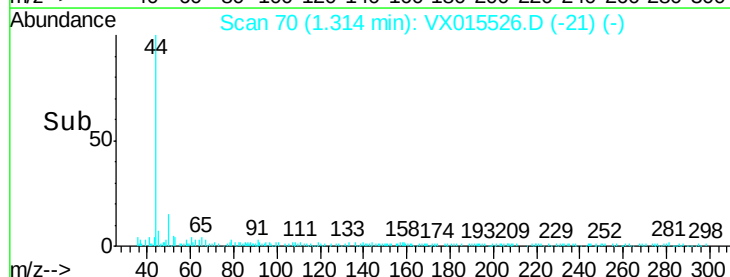
500

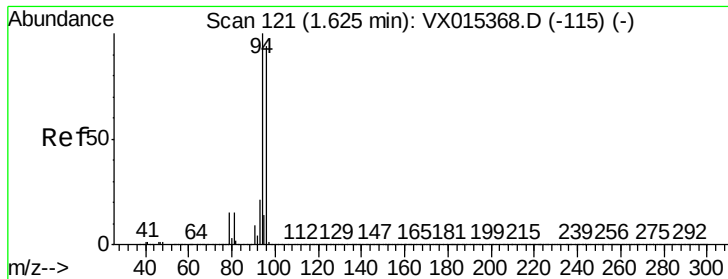
0

1.30

1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

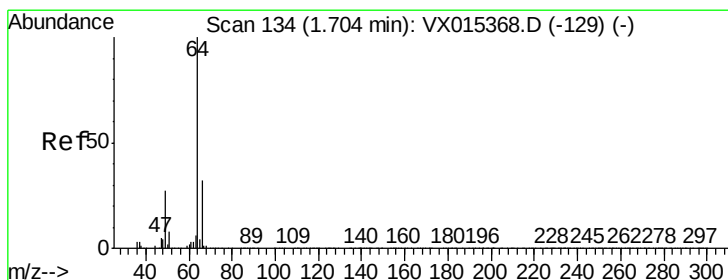
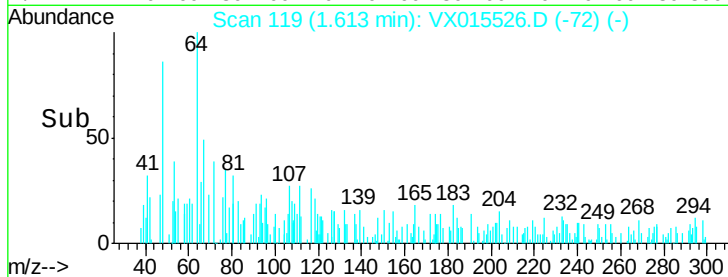
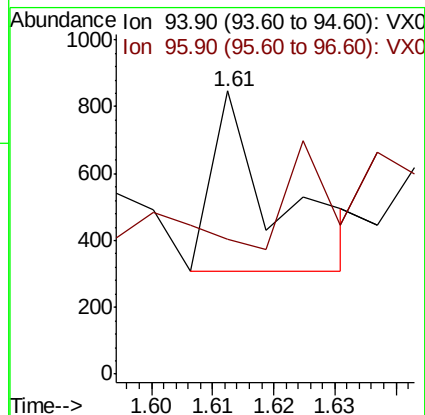
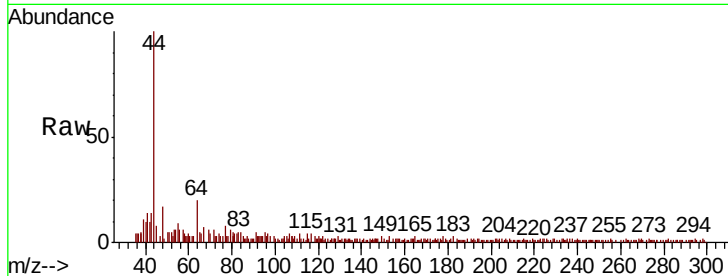
40851DL

Tot Ion: 94 Resp: 394

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#6

Chloroethane

Concen: 0.338 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX015526.D

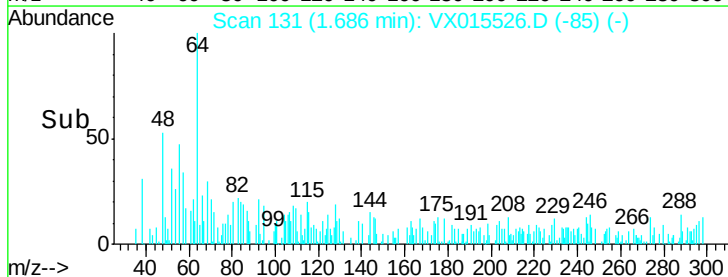
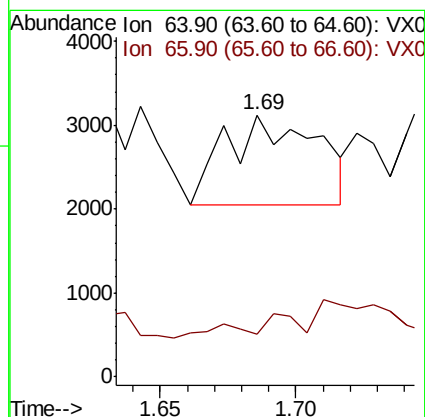
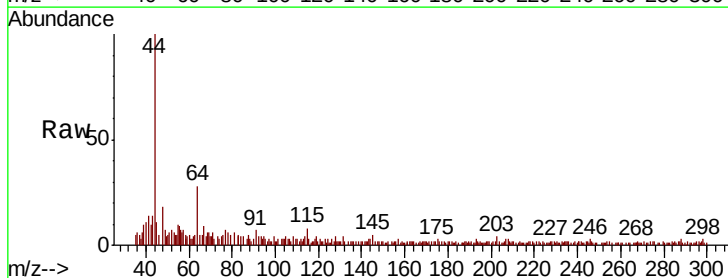
Acq: 06 Apr 2020 20:20

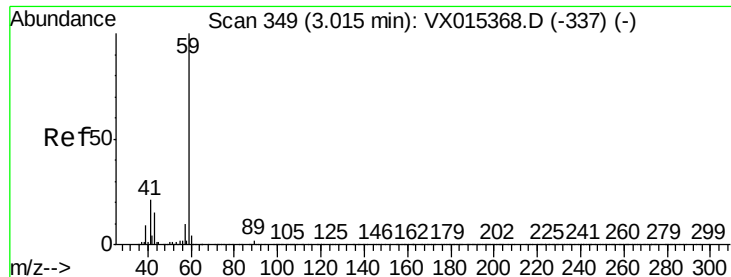
Tgt Ion: 64 Resp: 2482

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



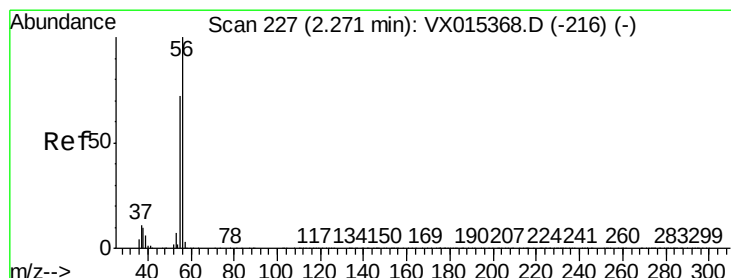
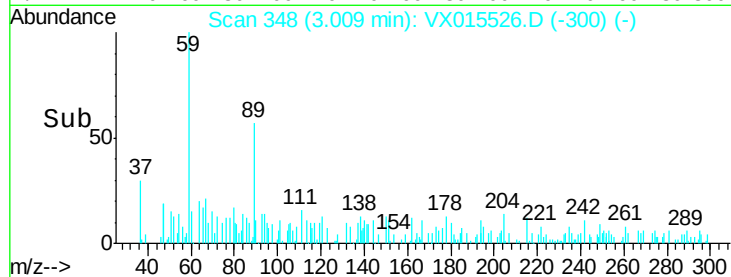
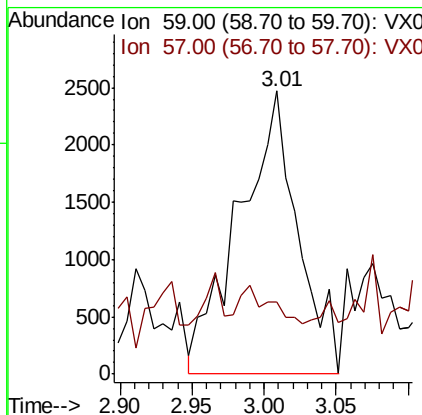
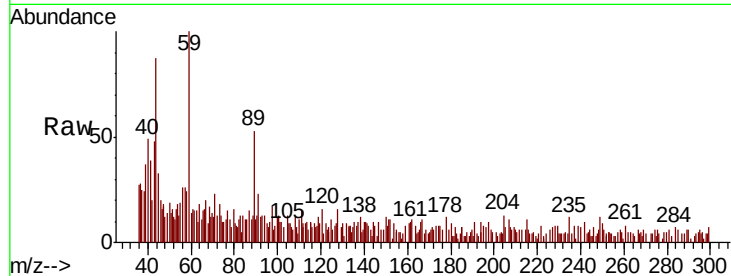


#11

Tert butyl alcohol
Concen: 1.810 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

Instrument :
MSVOA_X
ClientSampled :
40851DL

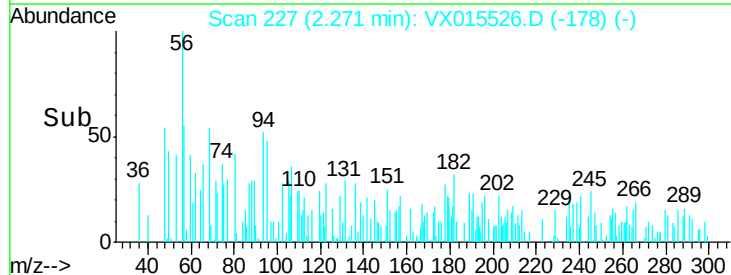
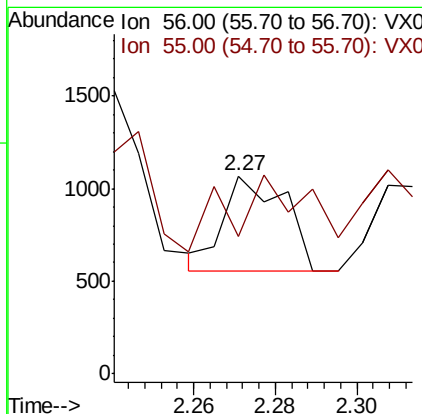
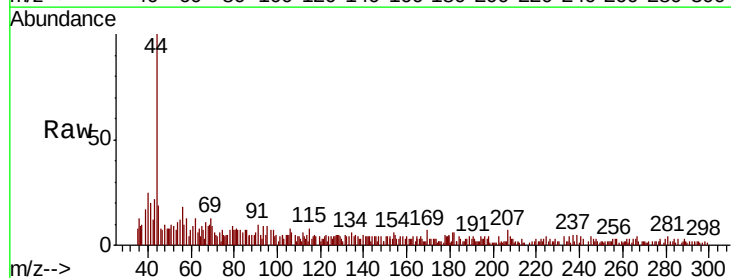
Tot Ion: 59 Resp: 7018
Ion Ratio Lower Upper
59 100
57 6.4 8.1 12.1#

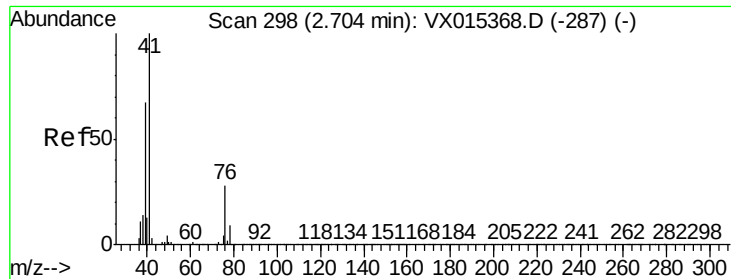


#13

Acrolein
Concen: 0.238 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

Tgt Ion: 56 Resp: 526
Ion Ratio Lower Upper
56 100
55 102.5 57.0 85.4#

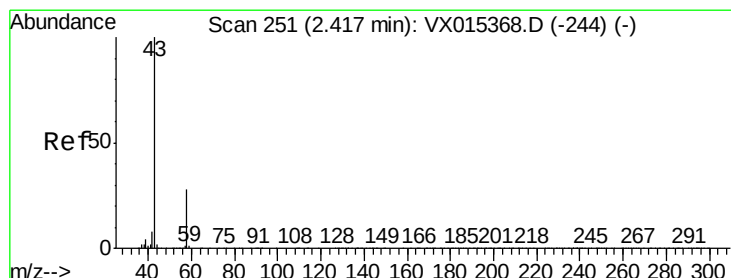
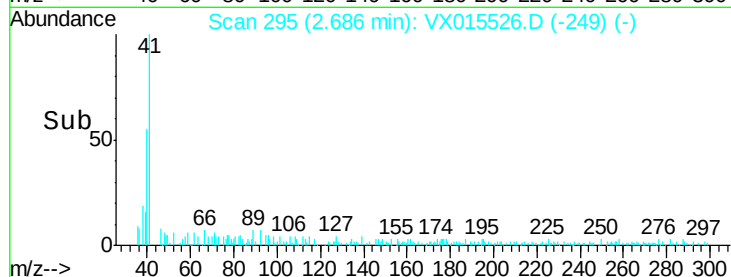
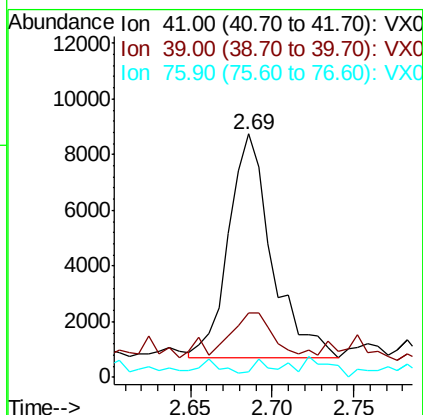
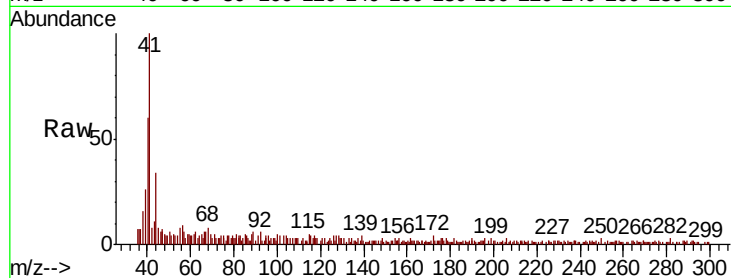




#14
Allvl chloride
Concen: 0.589 ug/l
RT: 2.69 min Scan# 295
Delta R.T. -0.02 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

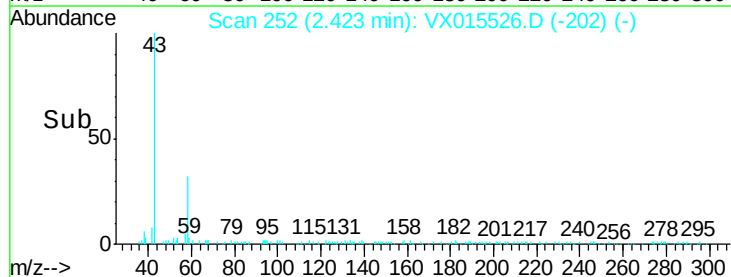
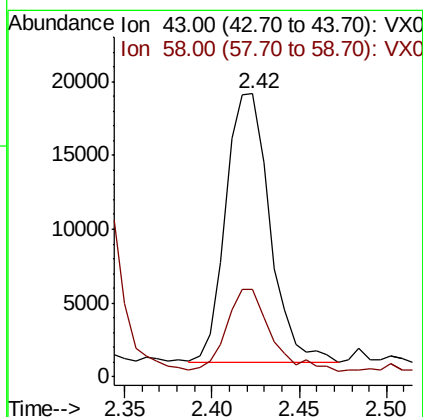
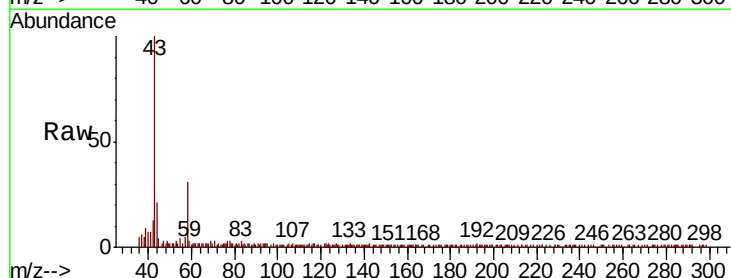
Instrument :
MSVOA_X
ClientSampleId :
40851DL

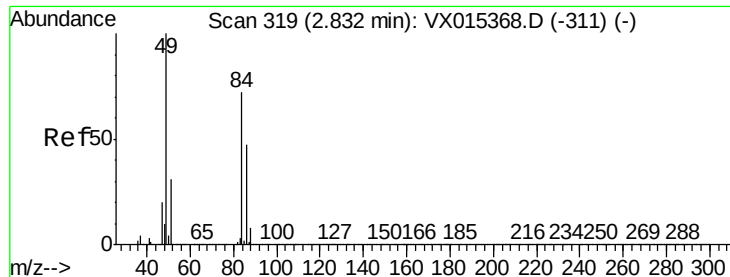
Tot Ion: 41 Resp: 14935
Ion Ratio Lower Upper
41 100
39 16.5 51.4 77.0#
76 2.2 21.8 32.8#



#16
Acetone
Concen: 4.574 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

Tgt Ion: 43 Resp: 31837
Ion Ratio Lower Upper
43 100
58 30.8 22.1 33.1

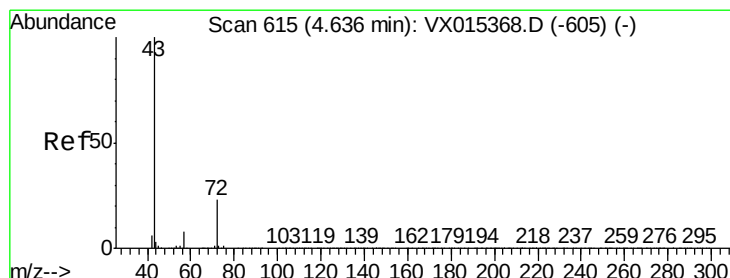
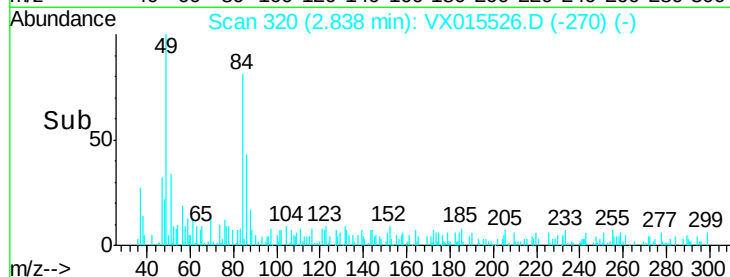
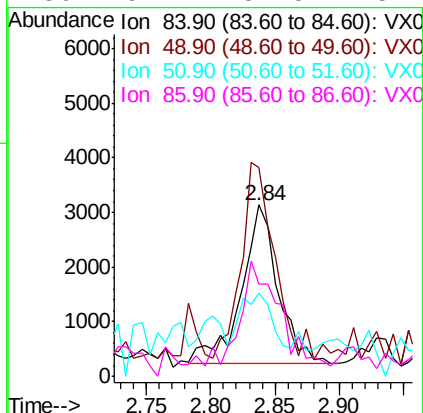
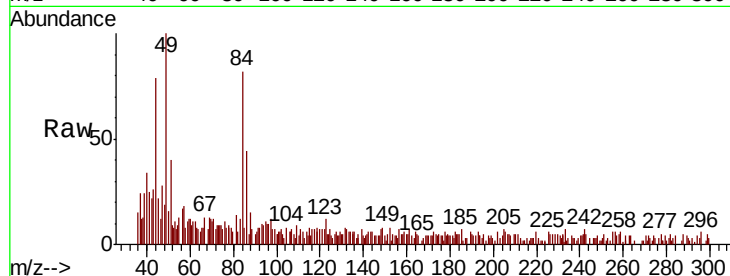




#20
Methylene Chloride
Concen: 0.432 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

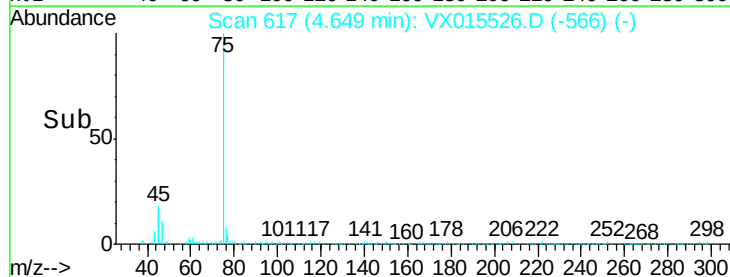
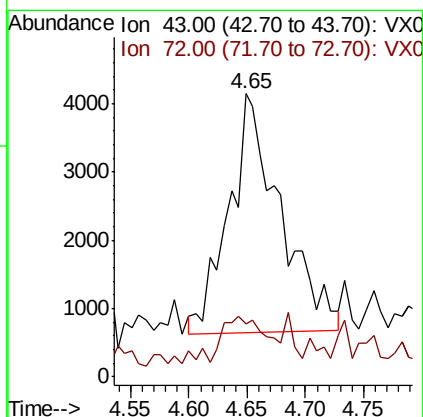
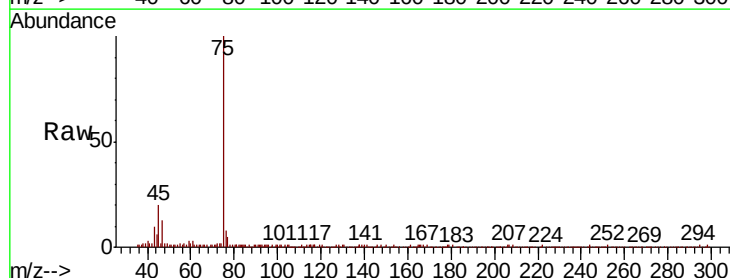
Instrument :
MSVOA_X
ClientSampleId :
40851DL

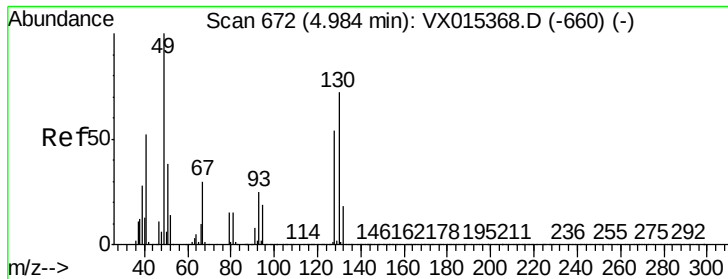
Tot Ion: 84 Resp: 5615
Ion Ratio Lower Upper
84 100
49 115.1 111.3 166.9
51 33.7 34.0 51.0#
86 51.2 52.5 78.7#



#25
2-Butanone
Concen: 0.952 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

Tgt Ion: 43 Resp: 10657
Ion Ratio Lower Upper
43 100
72 12.1 19.0 28.4#





#28

Bromochloromethane

Concen: 9.382 ug/l

RT: 5.18 min Scan# 704

Delta R.T. 0.20 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

40851DL

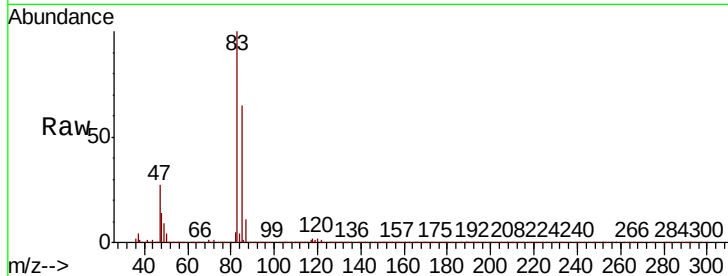
Tot Ion: 49 Resp: 105895

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

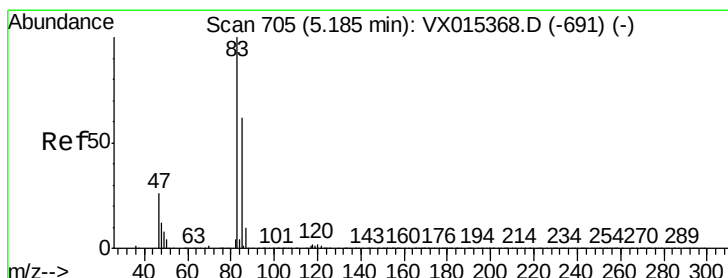
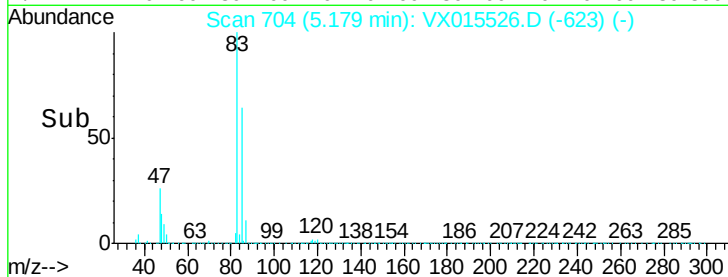
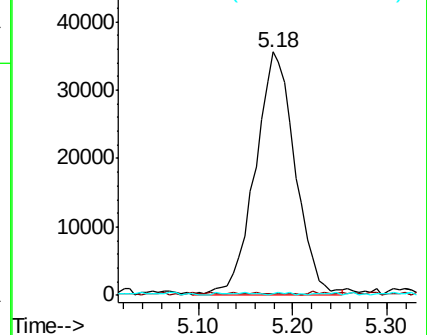
130 0.6 57.7 86.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 50.485 ug/l

RT: 5.18 min Scan# 704

Delta R.T. -0.01 min

Lab File: VX015526.D

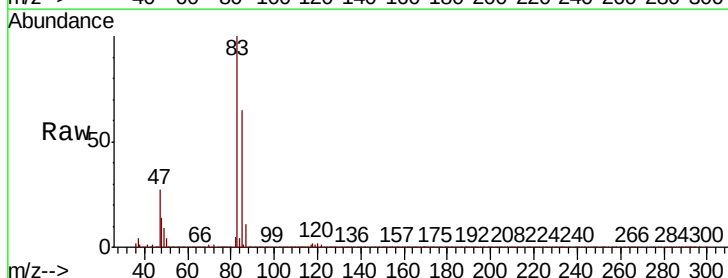
Acq: 06 Apr 2020 20:20

Tgt Ion: 83 Resp: 1148254

Ion Ratio Lower Upper

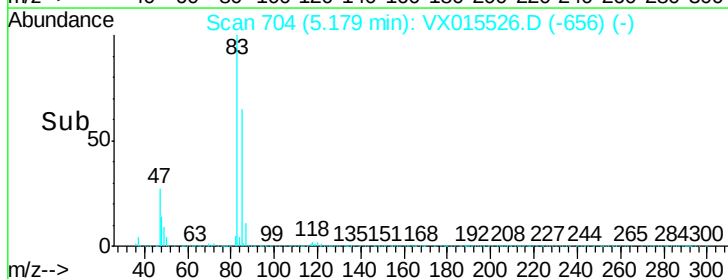
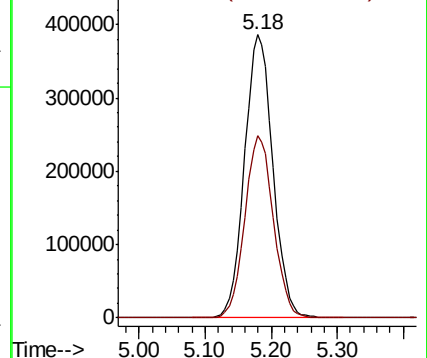
83 100

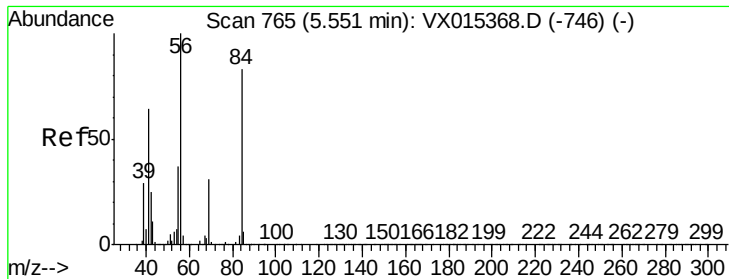
85 64.5 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

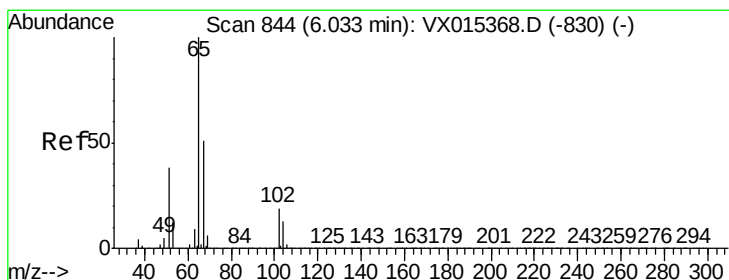
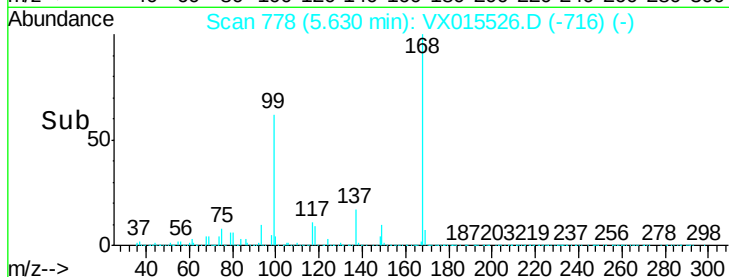
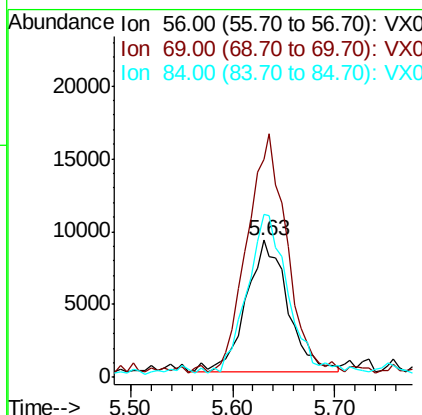
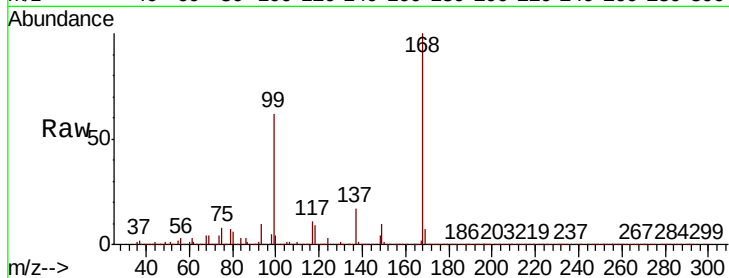




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

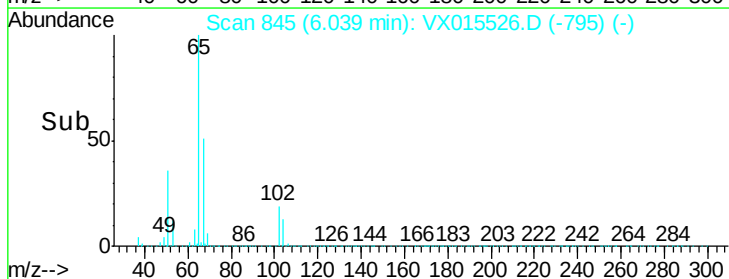
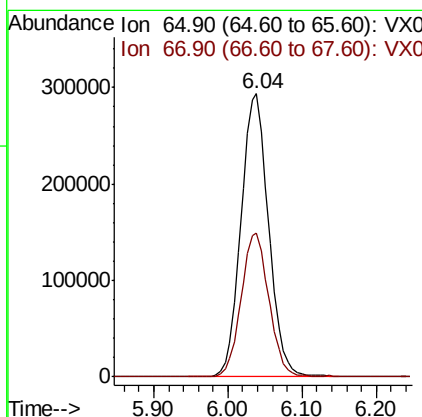
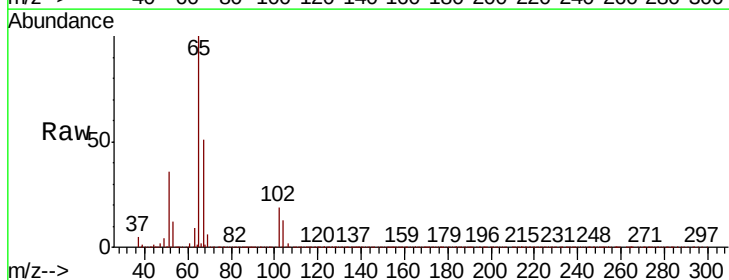
Instrument :
MSVOA_X
ClientSampleId :
40851DL

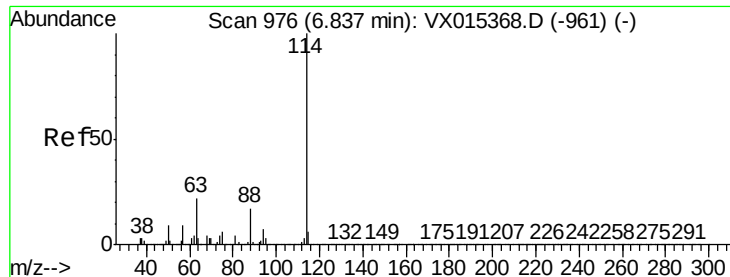
Tot Ion: 56 Resp: 25294
Ion Ratio Lower Upper
56 100
69 162.5 24.6 36.8#
84 118.6 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 47.291 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

Tgt Ion: 65 Resp: 766131
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6

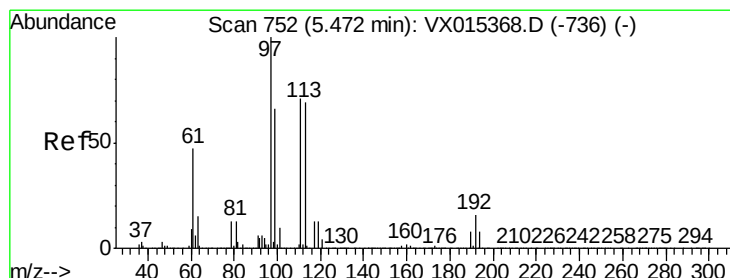
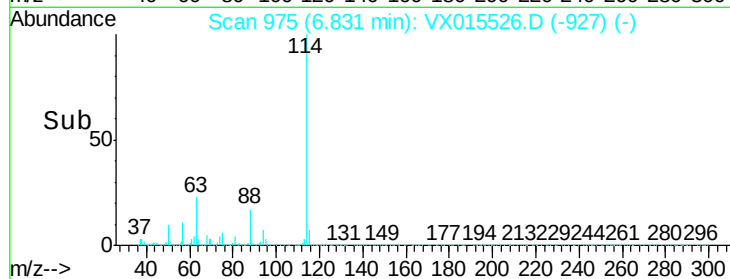
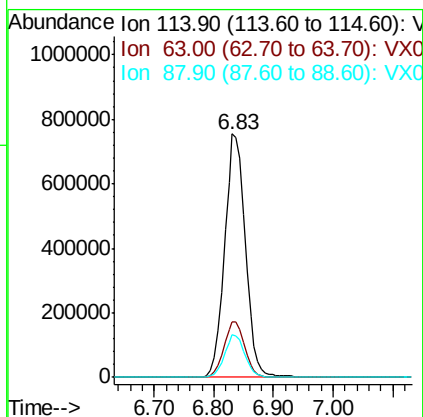
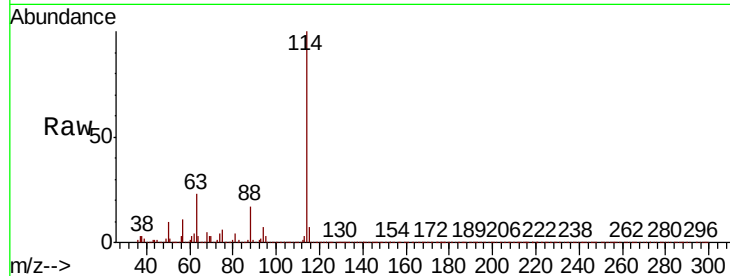




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 975
Delta R.T. -0.01 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

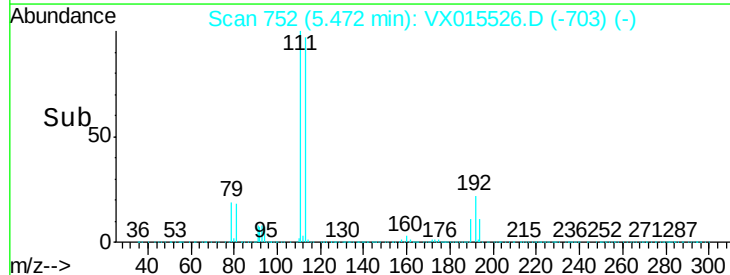
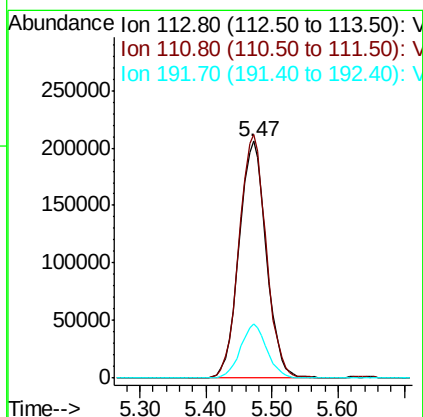
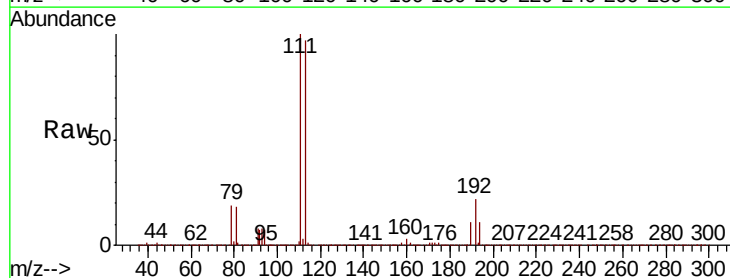
Instrument :
MSVOA_X
ClientSampleId :
40851DL

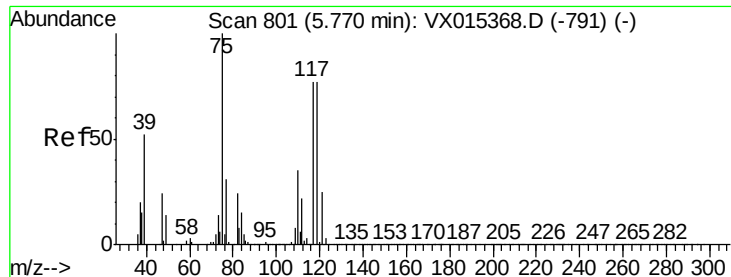
Tot Ion:114 Resp: 1829467
Ion Ratio Lower Upper
114 100
63 22.7 0.0 44.2
88 17.3 0.0 33.8



#35
Dibromofluoromethane
Concen: 50.141 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

Tgt Ion:113 Resp: 586370
Ion Ratio Lower Upper
113 100
111 102.2 81.5 122.3
192 22.3 17.8 26.6





#36

1,1-Dichloropropene

Concen: 5.112 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

40851DL

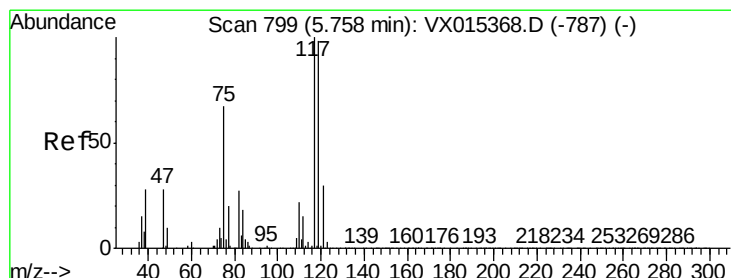
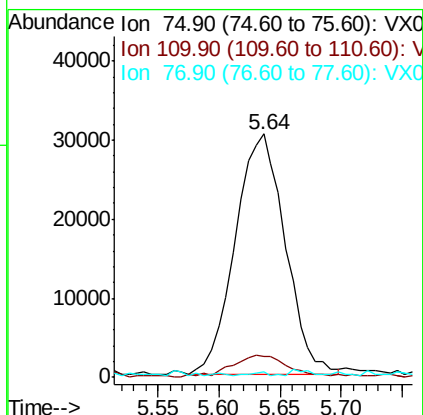
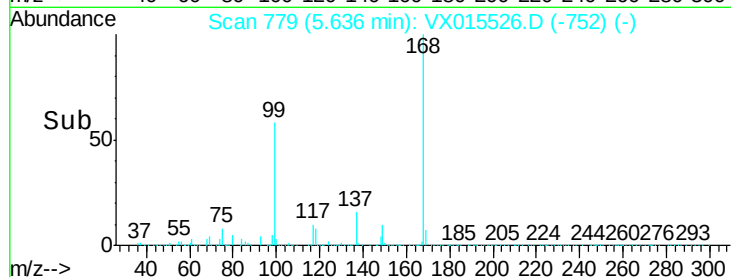
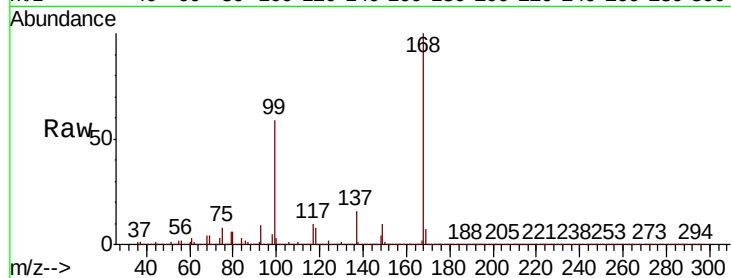
Tot Ion: 75 Resp: 86171

Ion Ratio Lower Upper

75 100

110 10.4 17.1 51.3#

77 0.6 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.024 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

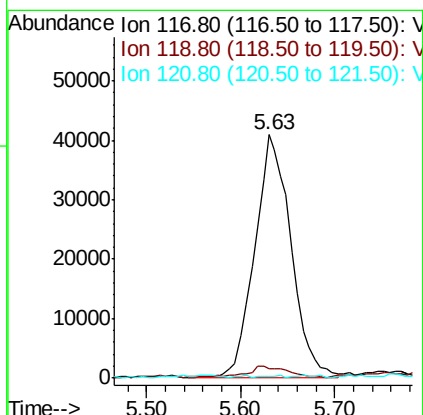
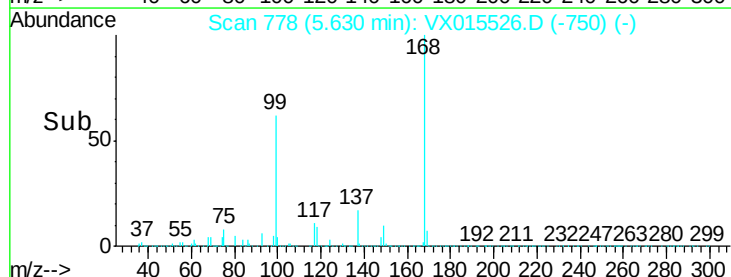
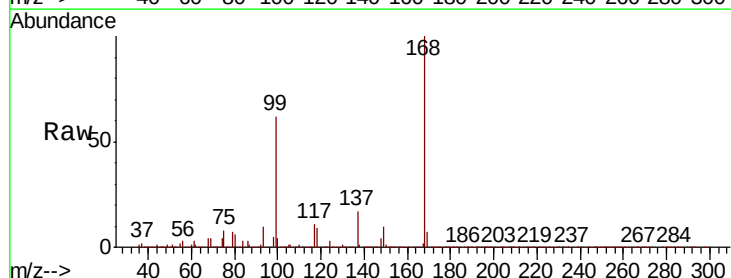
Tgt Ion: 117 Resp: 109989

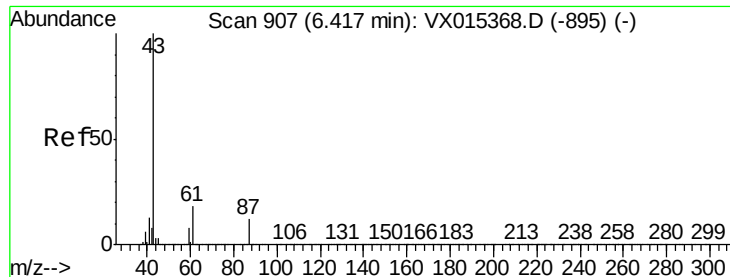
Ion Ratio Lower Upper

117 100

119 3.3 78.0 117.0#

121 0.1 23.8 35.8#





#43

Isopropyl Acetate

Concen: 0.223 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.02 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

40851DL

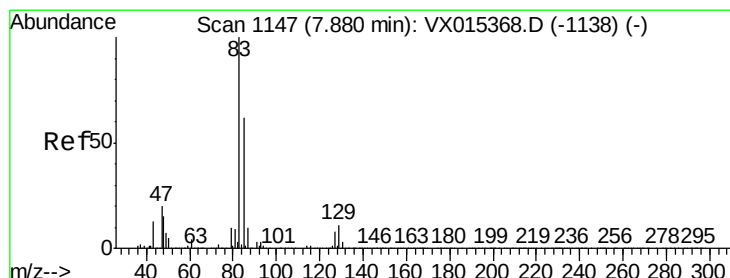
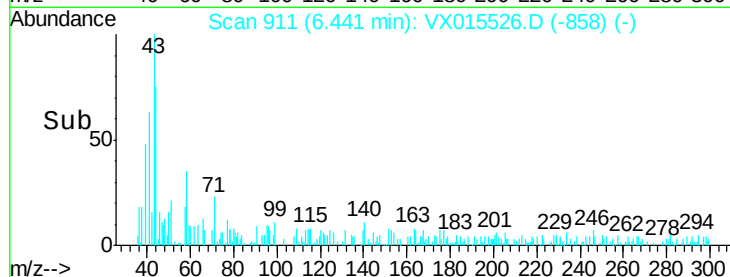
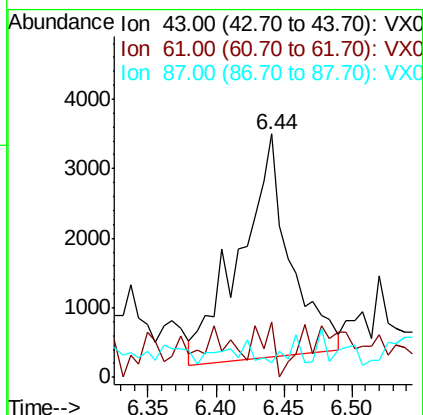
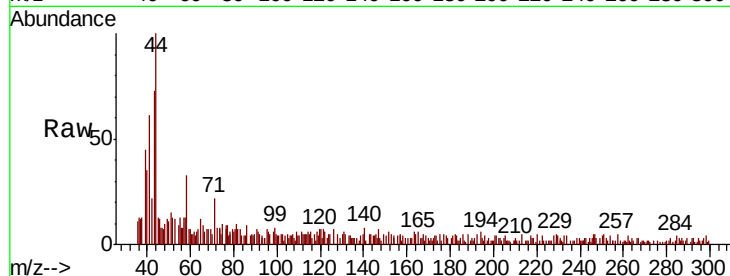
Tot Ion: 43 Resp: 8249

Ion Ratio Lower Upper

43 100

61 8.7 14.8 22.2#

87 0.0 9.4 14.0#



#47

Bromodichloromethane

Concen: 7.176 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

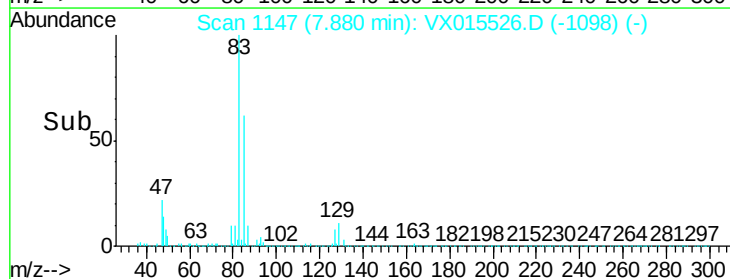
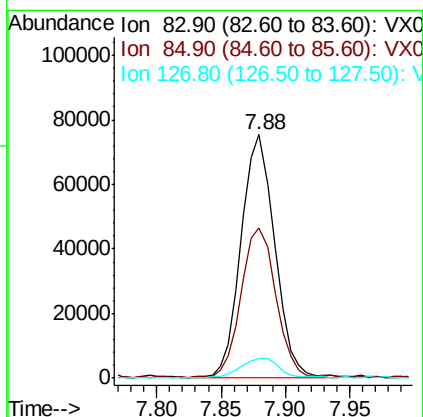
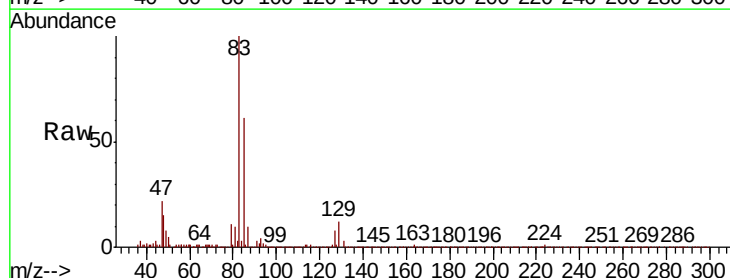
Tgt Ion: 83 Resp: 135495

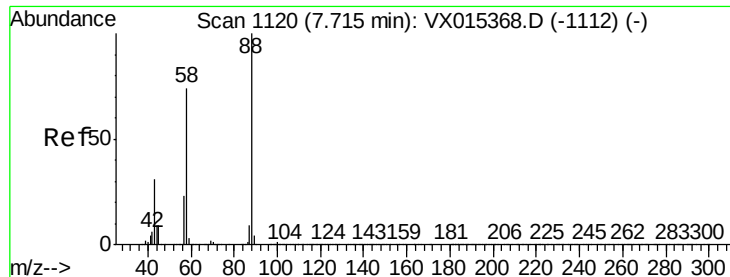
Ion Ratio Lower Upper

83 100

85 61.2 49.7 74.5

127 7.5 6.7 10.1





#49

1,4-Dioxane

Concen: 0.382 ug/l

RT: 7.68 min Scan# 1115

Delta R.T. -0.03 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleID :

40851DL

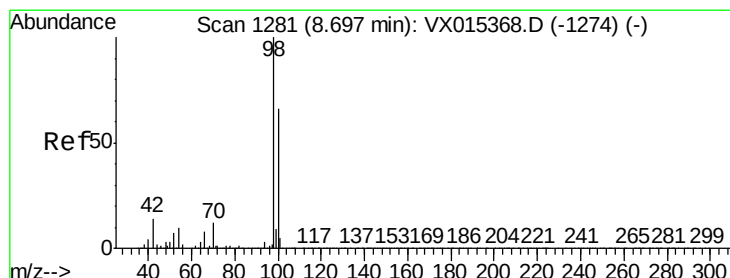
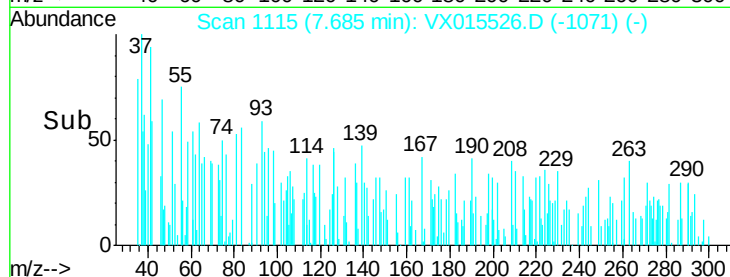
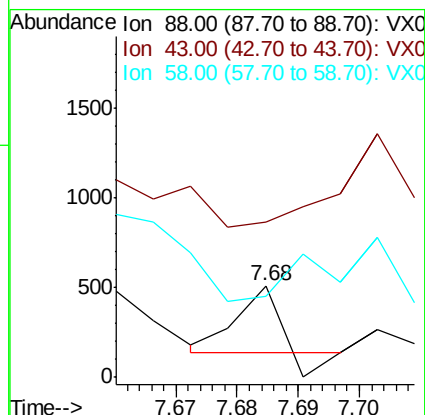
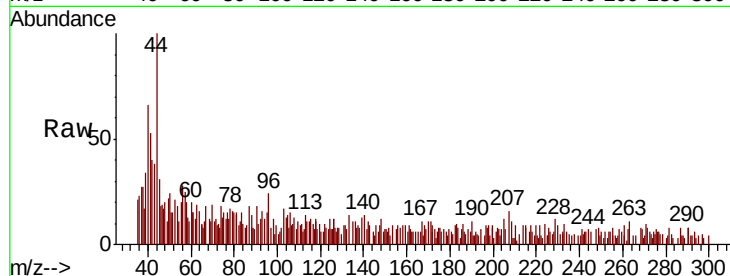
Tot Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 405.3 30.1 45.1#

58 339.4 60.6 90.8#



#50

Toluene-d8

Concen: 52.165 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015526.D

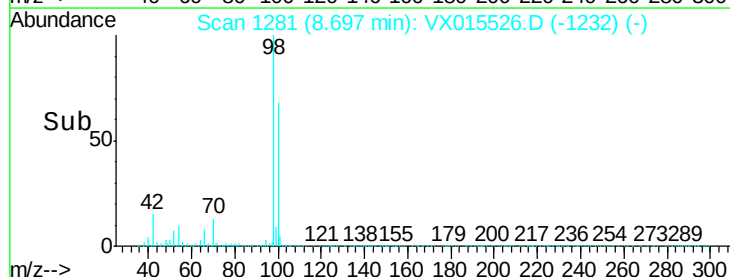
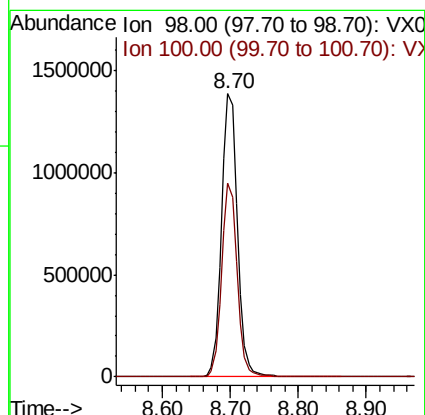
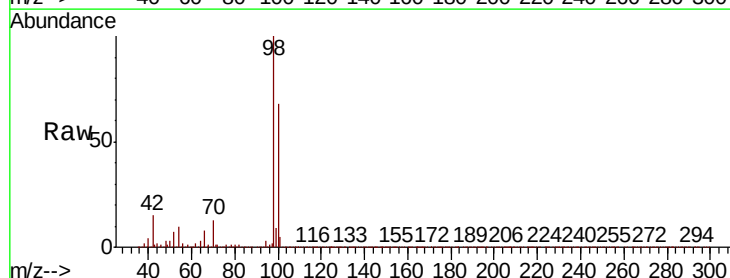
Acq: 06 Apr 2020 20:20

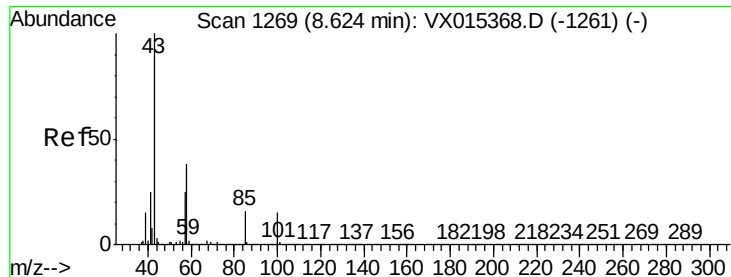
Tgt Ion: 98 Resp: 2245993

Ion Ratio Lower Upper

98 100

100 66.7 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 0.320 ug/l

RT: 8.62 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleID :

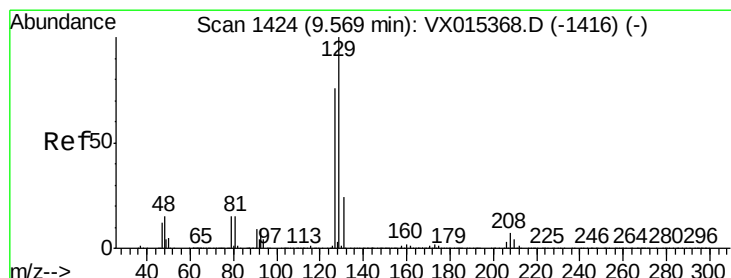
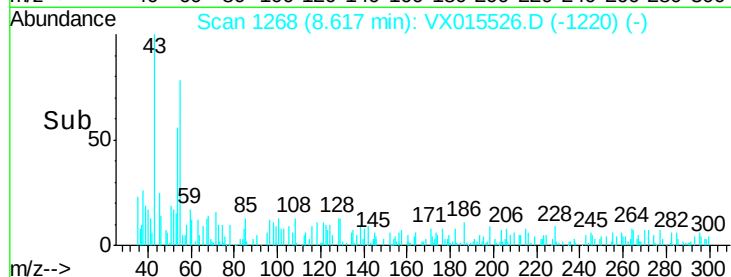
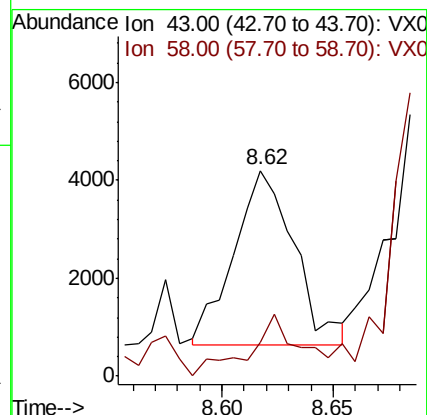
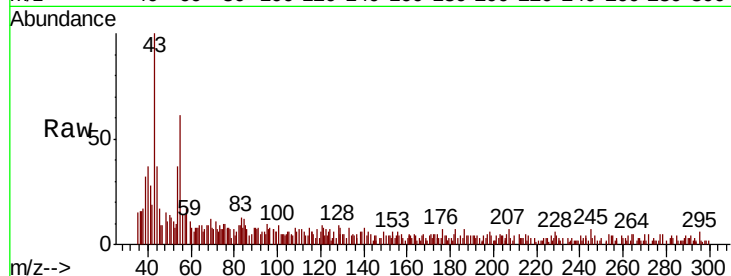
40851DL

Tot Ion: 43 Resp: 6723

Ion Ratio Lower Upper

43 100

58 30.2 29.7 44.5



#60

Dibromochloromethane

Concen: 3.771 ug/l

RT: 9.57 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VX015526.D

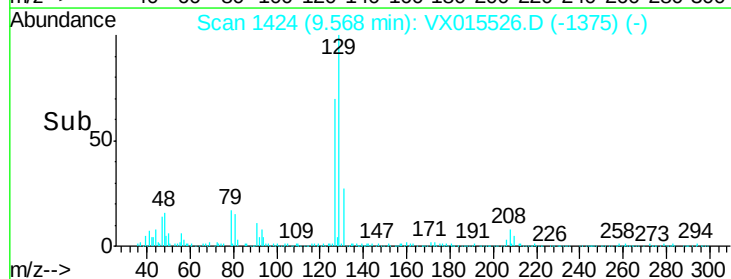
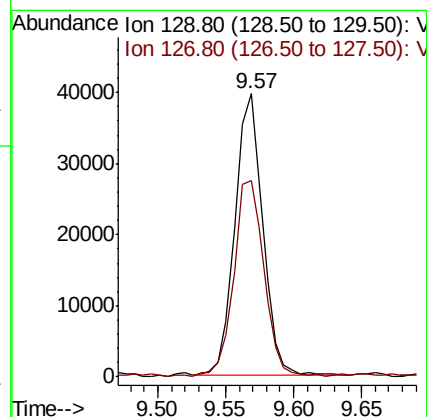
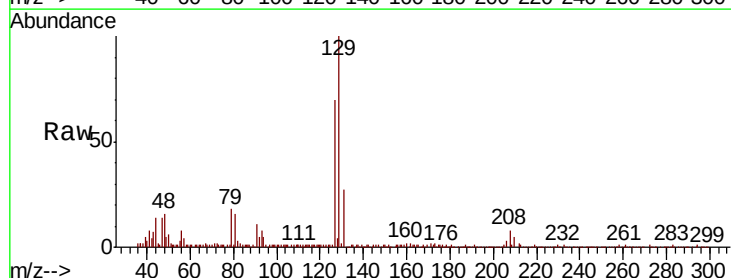
Acq: 06 Apr 2020 20:20

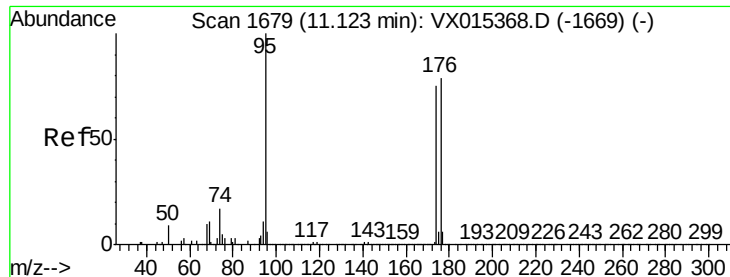
Tgt Ion: 129 Resp: 56519

Ion Ratio Lower Upper

129 100

127 76.2 38.2 114.6





#62

4-Bromofluorobenzene

Concen: 56.572 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampled :

40851DL

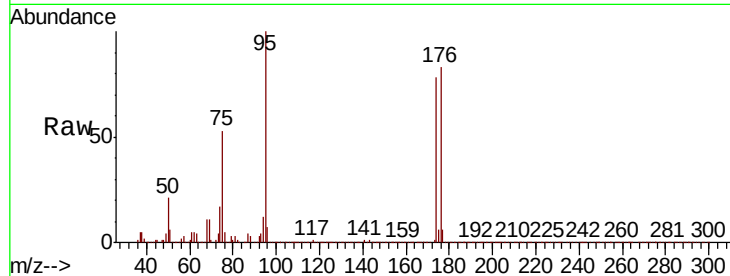
Tot Ion: 95 Resp: 989888

Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.6

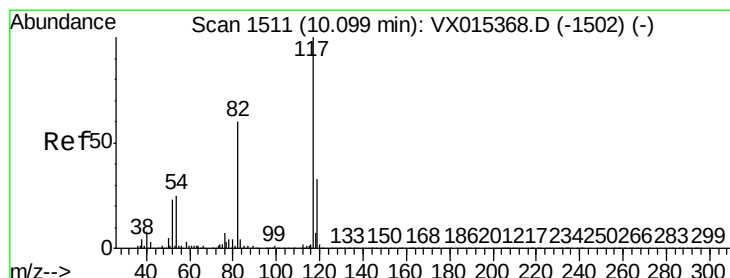
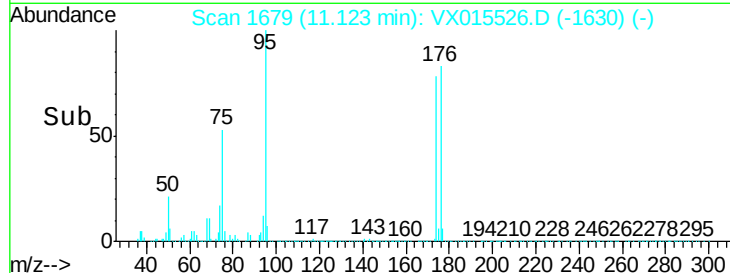
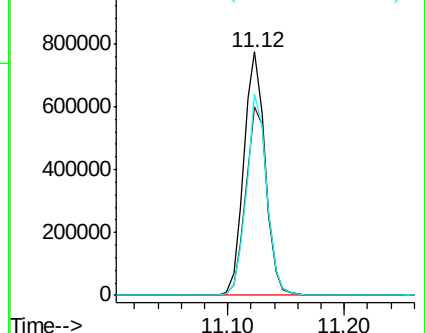
176 79.1 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

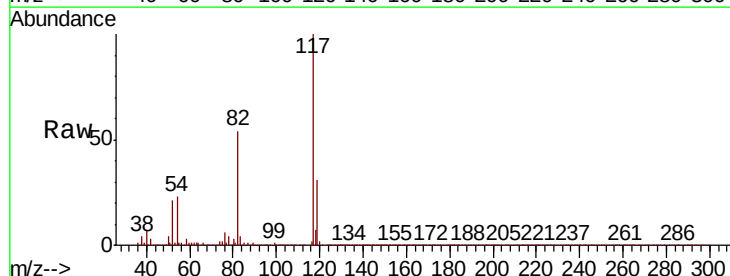
Tgt Ion: 117 Resp: 1810890

Ion Ratio Lower Upper

117 100

82 53.6 47.8 71.8

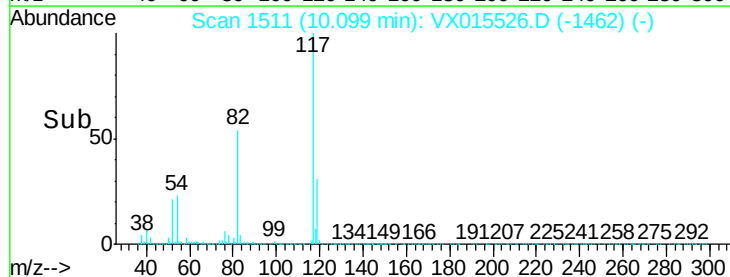
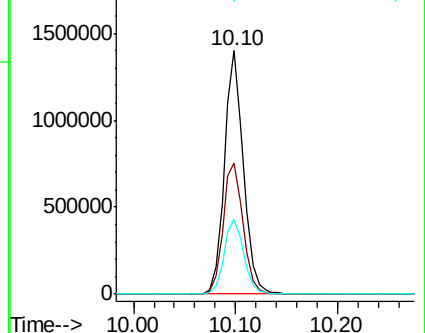
119 30.6 26.8 40.2

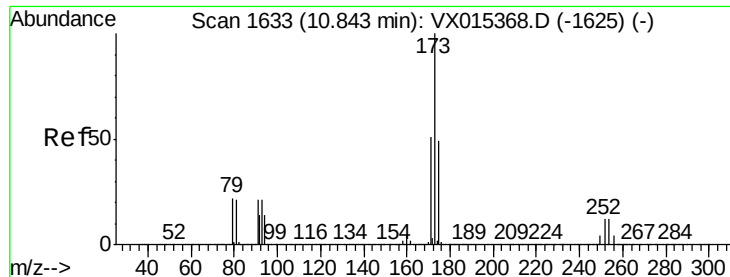


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

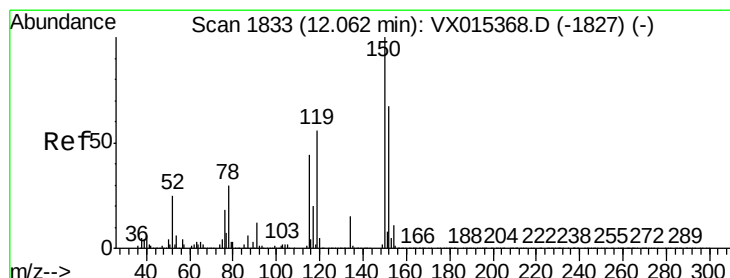
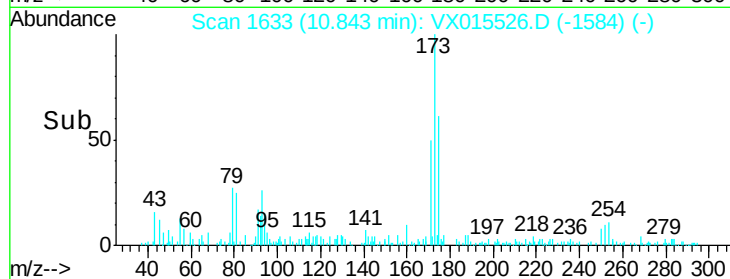
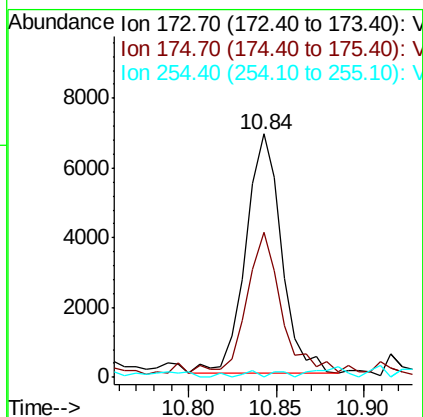
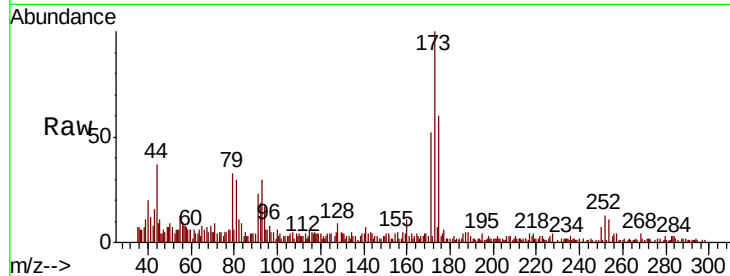




#71
Bromoform
Concen: 0.743 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

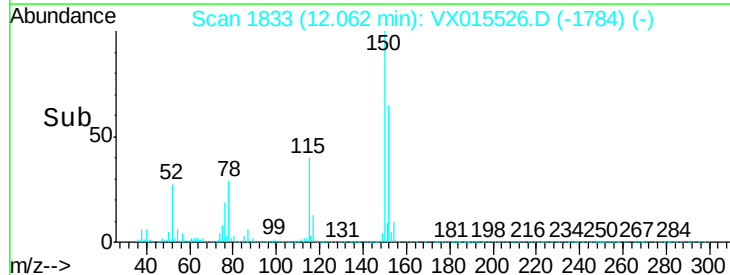
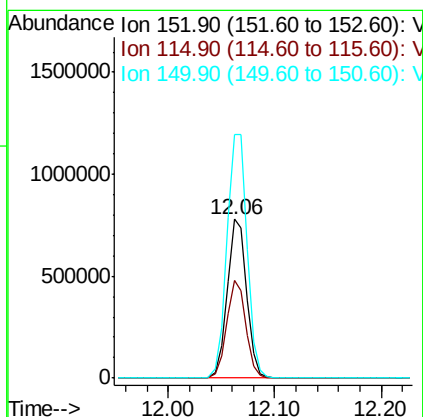
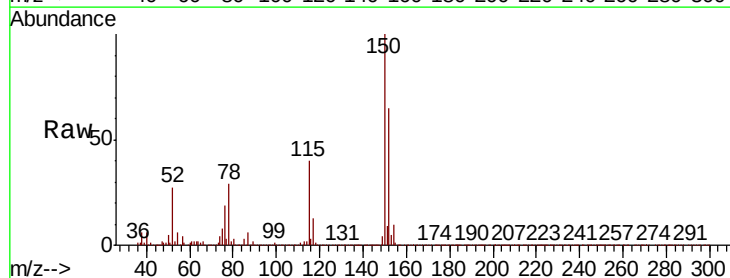
Instrument :
MSVOA_X
ClientSampleId :
40851DL

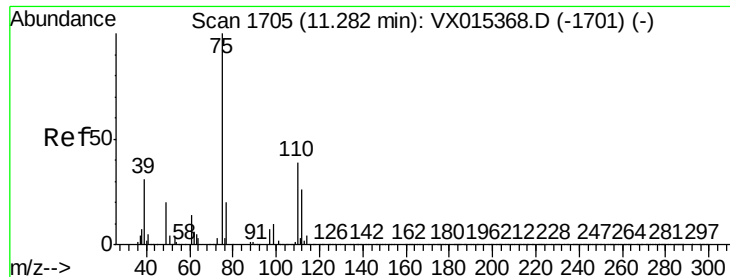
Tot Ion:173 Resp: 9753
Ion Ratio Lower Upper
173 100
175 55.4 23.9 71.7
254 1.3 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015526.D
Acq: 06 Apr 2020 20:20

Tgt Ion:152 Resp: 993880
Ion Ratio Lower Upper
152 100
115 60.1 39.0 116.9
150 159.5 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 24.898 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

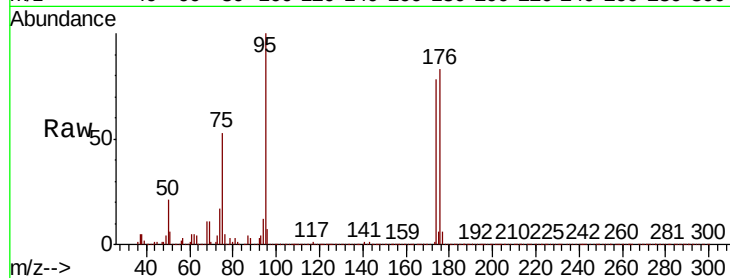
40851DL

Tot Ion: 75 Resp: 508879

Ion Ratio Lower Upper

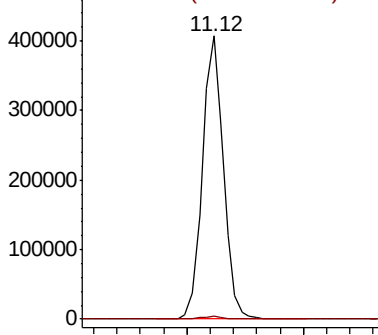
75 100

77 0.9 21.2 63.6#

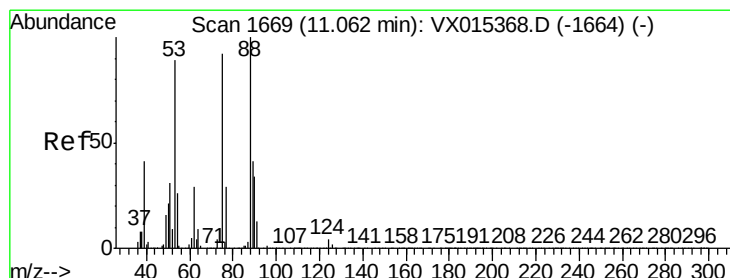
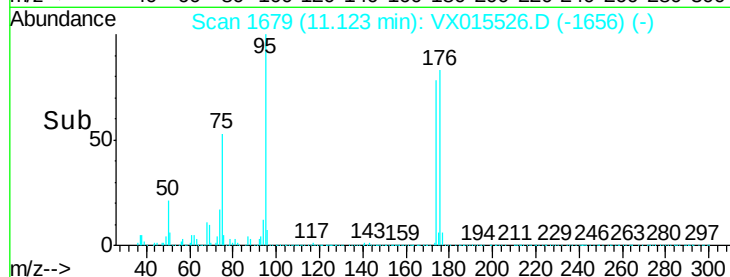


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.742 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015526.D

Acq: 06 Apr 2020 20:20

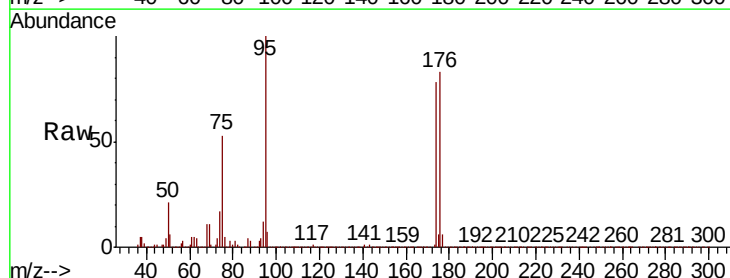
Tgt Ion: 75 Resp: 508879

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

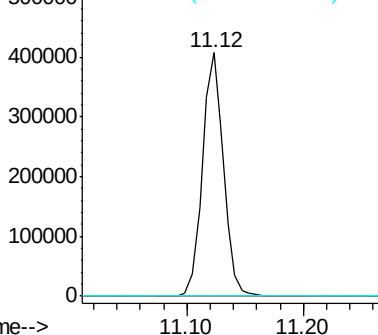
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->

